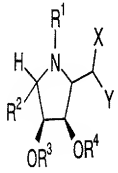
**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Canceled)

2. (Currently Amended) ~~The~~ A compound ~~according to claim 1 or a salt thereof, wherein the configuration of the formula (I) is~~ represented by the following formula (Ia) or a salt thereof:

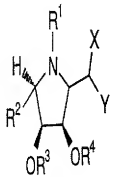


(Ia)

~~wherein $R^1$, $R^2$, $R^3$, $R^4$, X, and Y are as defined in claim 1~~

wherein $R^1$ represents a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a protecting group of N; $R^2$ represents a $C_{1-10}$ alkyl group optionally having a substituent or a $C_{2-10}$ alkenyl group optionally having a substituent; $R^3$ and $R^4$ independently represent a hydrogen atom or a protecting group of hydroxyl group; X represents $-N(R^5)R^6$ or a residue of amino acid or of an amino group of a peptide wherein $R^5$ and $R^6$ independently represent a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a $C_{3-12}$ cycloalkyl group optionally having a substituent; and Y represents a hydrogen atom, $-CH_2NH_2$, $-CONH_2$, or -COOH.

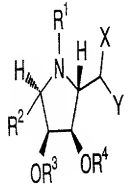
3. (Currently Amended) The compound according to claim [[1]] 2 or a salt thereof, wherein the configuration of the formula ~~(I)~~ (Ia) is represented by the following formula (Ib):



(Ib)

wherein $R^1$, $R^2$, $R^3$, $R^4$, X, and Y are as defined in claim [[1]] 2.

4. (Currently Amended) The compound according to claim [[1]] 2 or a salt thereof, wherein the configuration of the formula ~~(I)~~ (Ia) is represented by the following formula (Ic):



(Ic)

wherein $R^1$, $R^2$, $R^3$, $R^4$, X, and Y are as defined in claim [[1]]2.

5. (Currently Amended) The compound according to claim [[1]] 2 or a salt thereof, wherein $R^2$ represents $-CH_2OR^{12}$ wherein $R^{12}$ represents a hydrogen atom or a protecting group of hydroxyl group.

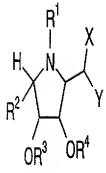
6. (Currently Amended) An inhibitor composition of sugar chain related enzymes which comprises, as an active ingredient, the compound of claim [[1]] 2 or a salt thereof.

7. (Currently Amended) A ~~medicine~~ pharmaceutical composition which comprises, as an active ingredient, the compound of claim [[1]] 2 or a salt thereof.

8. (Currently Amended) The ~~medicine~~ pharmaceutical composition according to claim 7 which is a medicine for ~~the~~ therapy or prevention of diseases associated with sugar chain related enzymes.

9. (Currently Amended) The ~~medicine~~ pharmaceutical composition according to claim 7 which ~~is used as~~ is an antiviral agent, an anticancer agent, or an immunostimulant agent.

10. (Currently Amended) A method for producing a compound represented by the formula (I):

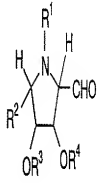



(I)

wherein $R^1$ represents a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a protecting group of N; $R^2$ represents a $C_{1-10}$ alkyl group optionally having a substituent or a $C_{2-10}$ alkenyl group optionally having a substituent; $R^3$ and $R^4$ independently represent a hydrogen atom or a protecting group of hydroxyl group; X represents $-N(R^5)R^6$ or a residue of amino acid or of an amino group of a peptide wherein

$R^5$ and $R^6$ independently represent a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a $C_{3-12}$ cycloalkyl group optionally having a substituent; and Y represents a hydrogen atom, $-CH_2NH_2$, $-CONH_2$, or $-COOH$;

~~according to claim 1 which comprises a step of~~ comprising reacting a compound represented by the formula (II):



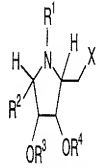
(II)

wherein $R^1$ represents a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a protecting group of N; $R^2$ represents a $C_{1-10}$ alkyl group optionally having a substituent or a $C_{2-10}$ alkenyl optionally having a substituent; and $R^3$ and $R^4$ independently represent a hydrogen atom or a protecting group of hydroxyl group;

with a compound represented by the formula X-H:

wherein X represents $-N(R^5)R^6$ or a residue of amino acid or of an amino group of a peptide, and $R^5$ and $R^6$ independently represent a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a $C_{3-12}$ cycloalkyl group optionally having a substituent;

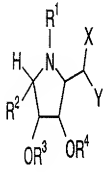
in the presence of a reducing agent, to produce a compound represented by the formula (III):



[III]

wherein $R^1$, $R^2$, $R^3$, $R^4$ and X are as defined above.

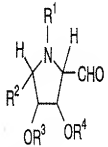
11. (Currently Amended) A method for producing a compound represented by the formula (I):



(I)

wherein $R^1$ represents a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a protecting group of N; $R^2$ represents a $C_{1-10}$ alkyl group optionally having a substituent or a $C_{2-10}$ alkenyl group optionally having a substituent; $R^3$ and $R^4$ independently represent a hydrogen atom or a protecting group of hydroxyl group; X represents $-N(R^5)R^6$ or a residue of amino acid or of an amino group of a peptide wherein $R^5$ and $R^6$ independently represent a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a $C_{3-12}$ cycloalkyl group optionally having a substituent; and Y represents a hydrogen atom, $-CH_2NH_2$, $-CONH_2$, or $-COOH$;

~~according to claim 1 which comprises a step of~~ comprising reacting a compound represented by the formula (II):



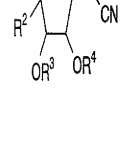
(II)

wherein $R^1$ represents a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a protecting group of N; $R^2$ represents a $C_{1-10}$ alkyl group optionally having a substituent or a $C_{2-10}$ alkenyl optionally having a substituent; and $R^3$ and $R^4$ independently represent a hydrogen atom or a protecting group of hydroxyl group;

with a compound represented by the formula X-H:

wherein X represents $-N(R^5)R^6$ or a residue of amino acid or of an amino group of a peptide, and $R^5$ and $R^6$ independently represent a hydrogen atom, a $C_{1-10}$ alkyl group optionally having a substituent, or a $C_{3-12}$ cycloalkyl group optionally having a substituent;

and a cyanation agent in the presence of Lewis acid, to produce a compound represented by the formula (IV):



(IV)

wherein $R^1$, $R^2$, $R^3$, $R^4$ and X are as defined above, and converting the nitrile group to an amino group or amide group.

12. (New) The compound according to claim 3 or a salt thereof, wherein $R^2$ represents $-CH_2OR^{12}$ wherein $R^{12}$ represents a hydrogen atom or a protecting group of hydroxyl group.

13. (New) The compound according to claim 4 or a salt thereof, wherein $R^2$ represents $-CH_2OR^{12}$ wherein $R^{12}$ represents a hydrogen atom or a protecting group of hydroxyl group.

14. (New) A method of treating diseases associated with sugar chain related enzymes comprising administering a therapeutically effective amount of the compound according to claim 2 or a salt thereof to a mammal.

15. (New) A method of treating diseases associated with sugar chain related enzymes comprising administering a therapeutically effective amount of the compound according to claim 3 or a salt thereof to a mammal.

16. (New) A method of treating diseases associated with sugar chain related enzymes comprising administering a therapeutically effective amount of the compound according to claim 4 or a salt thereof to a mammal.

17. (New) A method of administering an antiviral agent, an anticancer agent, or an immunostimulant agent to a mammal comprising administering a compound according to claim 2 or a salt thereof to the mammal.

18. (New) A method of administering an antiviral agent, an anticancer agent, or an immunostimulant agent to a mammal comprising administering a compound according to claim 3 or a salt thereof to the mammal.

19. (New) A method of administering an antiviral agent, an anticancer agent, or an immunostimulant agent to a mammal comprising administering a compound according to claim 4 or a salt thereof to the mammal.

20. (New) The method according to claim 14 wherein the mammal is a human.

21. (New) The method according to claim 15 wherein the mammal is a human.